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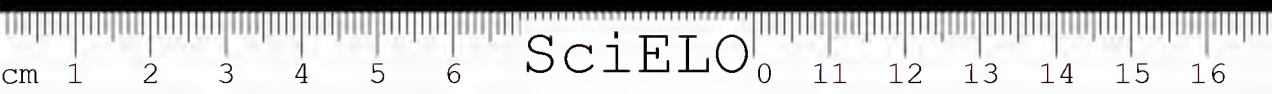
David C. Oren

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New and Reconfirmed Bird Records from the State of Maranhão, Brazil

David C. Oren[1]

ABSTRACT - Seventy species of birds are added to the avifauna of Maranhão state, Brazil, 52 through voucher specimens and 18 through sight records. The majority of the new species are Amazonian taxa that were assumed to be limited in the east by the Belém district, but, in fact, are also distributed in the rainforests of western Maranhão.

KEY WORDS: Birds, Brazil, Maranhão, Biogeography, Taxonomy.

RESUMO - Acrescentamos registros de 70 espécies de aves à fauna do estado do Maranhão, Brasil, 52 através de espécimes e 18 através de registros visuais. A grande maioria das espécies aqui incluída para a avifauna maranhense pela primeira vez, foi considerada, até agora, a ter como limite no leste, o distrito de Belém, Pará, enquanto o fato é que sua distribuição inclui as matas pluviais do oeste do Maranhão.

PALAVRAS-CHAVE: Aves, Brasil, Maranhão, Biogeografia, Taxonomia.

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INTRODUCTION

Major vegetation types in the Brazilian state of Maranhão include the easternmost extention of the Amazonian hylea, tropical deciduous forest, vast cerrados, and secondary vegetation dominated by babassu palm (*Orbignya phalerata*). Little ornithological work has been done in Maranhão's forests, the notable exceptions being Emilie and Heinrich Snethlage's studies at Turiaçu (1°40'S, 45°23'W) and Alto de Alegria (1°42'S, 45°40'W) in 1923 (E. Snethlage, 1926, H. Snethlage, 1927-28), and the large collections produced by F. Schwanda in Miritiba (2° 36'S, 43°28'W) from 1908-11 and sent to various museums around the world. The extensive collections made by Emil Kaempfer in eastern and southern Maranhão for Mrs. Elsie Naumburg of the American Museum of Natural History (Naumburg, 1935) were made primarily in cerrado habitat and gallery forest. Helmut Sick (1979) studied the avifauna of the Rio Pindaré valley in western Maranhão in November 1977. Development pressure from colonization, road construction, lumbering, cattle ranching, and charcoal production is rapidly destroying Maranhão's remaining rain forests and deciduous forests; at the same time they remain little known.

The ornithology section of the Museu Paraense Emílio Goeldi conducted field excursions to study and collect birds at ten sites in western and central Maranhão from 1983-1988. The Museu Goeldi also houses Maranhão bird collections made by José Hidasi in 1959 and 1964 at Imperatriz (5°32'S, 47°28'W) and Estreito (6° 14'S, 47°26'W), and collections made by Emílio Dente at scattered locales in the state in 1960 and 1972. The results of this field work, together with analysis of the Hidasi and Dente collections, add 70 species to the Maranhão avifauna, 52 through voucher specimens and 18 through sight records. Most of the species are Amazonian taxa that were presumed to be limited in the east by the Belém, Pará district, but, in fact, extend into western Maranhão. The Gurupi River, therefore, seems to be of less importance as a biogeographical barrier than previously assumed, given the large number of Amazonian species with distributions that extend beyond it in the east.

The areas studied are in the western and central districts of the state. Major rivers that drain the region include the Rios Tocantins, Gurupi, Pindaré, Grajaú and Mearim. Vegetation cover is high Amazonian rain forest in the west grading to deciduous forest in the center of the state. Six sites were in high rain forest habitat: Pedra Chata (2°12'S, 46°20'W) on the right bank of the Rio Gurupi, approximately 125 km south of the river's mouth; Fazenda Santa Bárbara (3°21'S, 46°52'W), some 140 km south of Pedra Chata, also on the Gurupi's right bank; Bom Jesus da

Mata; also called "Macaca" (2°22'S, 45°57'W), in a planned colonization area between the Rios Maracaçumé and Paruá; Aldeia Urutawi-Rendá, also called "Zé Gurupi" (3°14'S, 45°54'W), an Urubu-Ka'apor Indian village situated on a small stream between the Rios Turiaçu and Paruá in the Alto Turiaçu Indian Reserve; Fazenda Cobrás (4°30'S, 47°28'W), located on the right bank of the Rio Itinga, a southern tributary of the Rio Gurupi; and Buriticupu (4°34'S, 46°11'W) an upland site (300 m alt) in a wooded tract owned by the Brazilian mining company CVRD south of the Rio Pindaré. Three sites were in districts dominated by tropical deciduous forest: Fazenda do Sr. Adoan (6°07'S, 46° 09'W) located near the Trans-Maranhão highway in the Municipality of Grajaú; Serra da Conceição (5°28'S, 46°58'W) in the Municipality of Amarante; and Fazenda Leão (5°16'S, 44°39'W) in the Municipality of Tun-tun. A single site was in secondary babassu palm forest: Fazenda São Francisco (3°57'S, 44°49'W) in the Municipality of Lago Verde.

Heinrich Snethlage (1927-28) reported extensively on his travels in Maranhão and elsewhere in northeastern Brazil. The collection of birds he made during his journey is deposited in the Field Museum of Natural History in Chicago and was studied in detail by Charles E. Hellmayr (1929). Snethlage cited six species of birds in his writings that are listed below, but he had no voucher specimens for Hellmayr to confirm and his locality data were so ambiguous that recent authors have ignored these records. It is a pleasure to be able to confirm Snethlage's information regarding these species here.

Specimens with numbers preceded by MPEG (Museu Paraense Emílio Goeldi) refer to skins, while MPEG-A refers to anatomical specimens preserved in 70% alcohol. Common English names are those of Meyer de Schauensee (1970). Names of collectors abbreviated below are David C. Oren (DCO), João Alberto de Queiroz (JAQ), José Hidasi (JH), José Maria Rosa (JMR), Manoel Santa Brígida (MSB), and Rosemiro de Souza Pereira (RSP).

SPECIMEN RECORDS

GRAY TINAMOU *Tinamus tao tao* Temminck

1 unsexed, MPEG 38709, Aldeia Urutawi-Rendá, 4 Oct 1986, col. DCO, MSB and RSP.

This specimen consists of loose feathers that were plucked from a Gray Tinamou hunted and used as food by Urubu-Ka'apor Indians.

WHITE-THROATED TINAMOU *Tinamus guttatus* Pelzeln

1 female, MPEG 22417, Imperatriz, 5 Aug 1964, prep. R. Benício.

VARIEGATED TINAMOU *Crypturellus variegatus* (Gmelin)

1 unsexed, MPEG-A 6917, Aldeia Urutawi-Rendá, 3 Oct 1986, col. DCO, MSB and RSP.

RAZOR-BILLED CURASSOW *Mitu mitu tuberosa* (Spix)

1 male, MPEG 38563, Aldeia Urutawi-Rendá, 5 Oct 1986, col. DCO, MSB and RSP.

Snethlage (1927-28) and Sick (1979) were the first to note the presence of the Razor-billed Curassow in Maranhão, the latter mentioning that the species is sympatric with *Crax fasciolata pinima* in the region of the Rio Pindaré.

MARBLED WOOD-QUAIL *Odontophorus gujanensis gujanensis* (Gmelin)

1 female, MPEG 38422, Fazenda Cobrás, 25 Aug 1986, col. MSB, JMR and RSP.
1 female, MPEG 38564, Aldeia Urutawi-Rendá, 4 Oct 1986, col. DCO, MSB and RSP.

DARK-WINGED TRUMPETER *Psophia viridis obscura* Pelzeln

1 unsexed, MPEG 37338, Buriticupu, 9 Sep 1985, col. DCO, MSB and RSP.

This specimen consists of a single dorsal feather, unambiguously assignable to this race.

PAINTED PARAKEET *Pyrrhura picta microtera* Todd

1 female, MPEG 15584, Estreito, 17 May 1959, col. JH.

LITTLE CUCKOO *Piaya minuta* (Vieillot)

1 female, MPEG 34938, Bom Jesus da Mata, 28 Aug 1983, col. DCO, MSB and JMR.
1 female, MPEG 38569, Aldeia Urutawi-Rendá, 30 Sep 1986, col. DCO, MSB and RSP.

LONG-TAILED HERMIT *Phaethornis superciliosus muelleri* Hellmayr

1 male, 1 unsexed, MPEG 34946-47, Bom Jesus da Mata, 26/27 Jul 1983, col. DCO, MSB and JMR.
2 males, 1 unsexed, MPEG 36883-85, Fazenda Santa Bárbara, 3/5/7 Nov 1984, col. DCO, MSB and RSP.
1 male, 1 unsexed, MPEG 37405-06, Buriticupu, 3 Sep/25 Aug 1985, col DCO, MSB & RSP.
3 males, 1 female, 1 unsexed, MPEG 38436-40, Fazenda Cobrás, 25/22/19/19/29 Aug 1986, col. MSB, JMR and RSP.
2 males, 1 female, MPEG 38572-74, Aldeia Urutawi-Rendá, 28/28/30 Sep 1986, col. DCO, MSB and RSP.

BLACK-THROATED TROGON *Trogon rufus amazonicus* Todd

1 female, MPEG 36893, Fazenda Santa Bárbara, 6 Nov 1984 col. DCO, MSB and RSP.

COLLARED PUFFBIRD *Bucco capensis* Linnaeus

1 male, MPEG 38443, Fazenda Cobrás, 24 Aug 1986, col. MSB, JMR and RSP.
1 female, MPEG 38586, Aldeia Urutawi-Rendá, 1 Oct 1986, col. DCO, MSB and RSP.

STRIOLATED PUFFBIRD *Nystalus striolatus torridus* Bond & Meyer de Schauensee

1 female, MPEG 15804, Imperatriz, 7 Jun 1959, col. JH.

RUFOUS-NECKED PUFFBIRD *Malacoptila rufa brunnescens* Zimmer

1 female, MPEG 36894, Fazenda Santa Bárbara, 14 Nov 1984, col. DCO, MSB and RSP.

WHITE-FRONTED NUNBIRD *Monasa morphoeus morphoeus* (Hahn & Kuester)

1 male, 1 female, MPEG 38432-33, Fazenda Cobrás, 23/29 Aug 1986, col. MSB, JMR and RSP.
1 male, 1 female, MPEG 38588-89, Aldeia Urutawi-Rendá, 7/3 Oct 1986, col. DCO, MSB and RSP.

WAVED WOODPECKER *Celeus undatus multifasciatus* (Natterer & Malherbe)

1 female, MPEG 34773, Pedra Chata, 25 May 1983, col. DCO, MSB and JAQ.

This specimen is much darker than any other in the Museu Goeldi collections. On examining material of this race in the American Museum of Natural History, however, it became clear that the darker plumage falls within the range of individual variation and is not of taxonomic significance.

YELLOW-TUFTED WOODPECKER *Melanerpes cruentatus cruentatus* (Boddaert)

1 male, 1 female, MPEG 15946-47, Imperatriz, 1 Jun 1959, col. JH.
2 males, 1 female, MPEG 34953-55, Bom Jesus da Mata, 27/27/28 Jul 1984, col. DCO, MSB and JMR.
1 male, MPEG 37667, Fazenda do Sr. Adoan, 26 Jan 1986, col. MSB, JAQ and RSP.
1 male, MPEG 37849, Serra da Conceição, 13 Apr 1986, col. MSB, JMR and RSP.
1 female, MPEG 38427, Fazenda Cobrás, 29 Aug 1986, col. MSB, JMR and RSP.

The single female from Fazenda Cobrás is of the "*rubrifrons*" morph, while all other specimens are typical *cruentatus* (see Short, 1982).

WHITE-CHINNED WOODCREEPER *Dendrocincla merula badia* Zimmer

1 female, MPEG 34958, Bom Jesus da Mata, 25 Jul 1983, col. DCO, MSB and JMR.
2 males, 2 females, MPEG 36901-04, Fazenda Santa Bárbara, 11/1/1/1 Nov 1984, col. DCO, MSB and RSP.
3 males, 1 female, MPEG 38459-62, Fazenda Cobrás, 27/24/20/19 Aug 1986, col. MSB, JMR and RSP.

LONG-TAILED WOODCREEPER *Deconychura longicauda zimmeri* Pinto

1 female, MPEG 37353, Buriticupu, 1 Sep 1985, col. DCO, MSB and RSP.
1 male, MPEG 38453, Fazenda Cobrás, 29 Aug 1986, col. MSB, JMR and RSP.
1 female, MPEG 38602, Aldeia Urutawi-Rendá, 7 Oct 1986, col. DCO, MSB and RSP.

SPOT-THROATED WOODCREEPER *Deconychura stictolaema stictolaema* (Pelzeln)

1 male, MPEG 34959, Bom Jesus da Mata, 27 Jul 1983, col. DCO, MSB and JMR.
1 male, 1 female, MPEG 36905-06, Fazenda Santa Bárbara, 4/5 Nov 1984, col. DCO, MSB and RSP.
2 males, 1 female, MPEG 38603-05, Aldeia Urutawi-Rendá, 2/3 Oct/30 Sep 1986, col. DCO, MSB and RSP.

CINNAMON-RUMPED FOLIAGE-GLEANER *Philydor pyrrhodes* (Cabanis)

1 male, MPEG 38613, Aldeia Urutawi-Rendá, 4 Oct 1986, col. DCO, MSB and RSP.

OLIVE-BACKED FOLIAGE-GLEANER *Automolus infuscatus paraensis* Hartert

1 male, 1 female, MPEG 36907-08, Fazenda Santa Bárbara, 7/2 Nov 1984, col. DCO, MSB and RSP.
1 female, MPEG 38469, Fazenda Cobrás, 29 Aug 1986, col. MSB, JMR and RSP.
1 male, 1 female, MPEG 38609-10, Aldeia Urutawi-Rendá, 7/5 Oct 1986, col. DCO, MSB and RSP.

SHORT-BILLED LEAFSCRAPER *Sclerurus rufigularis rufigularis* Pelzeln

1 male, MPEG 34964, Bom Jesus da Mata, 22 Jul 1983, col. DCO, MSB, JMR.
1 male, 1 female, MPEG 38614-15, Aldeia Urutawi-Rendá, 4/1 Oct 1986, col. DCO, MSB and RSP.

BLACK-TAILED LEAFSCRAPER *Sclerurus caudacutus pallidus* Zimmer

1 female, MPEG 37419, Buriticupu, 4 Sep 1985, col. DCO, MSB and RSP.

GLOSSY ANTSHRIKE *Sakesphorus luctuosus luctuosus* (Lichtenstein)

1 female, MPEG 15775, Imperatriz, 8 Jun 1959, col. JH.

STREAKED ANTWREN *Myrmotherula surinamensis multostriata* Sclater

2 males, 1 female, MPEG 15786-88, Imperatriz, 1 Jun 1959, col. JH.
1 male, MPEG 34787, Pedra Chata, 28 May 1983, col. DCO, MSB and JAQ.

LONG-WINGED ANTWREN *Myrmotherula longipennis paraensis* (Todd)

1 male, MPEG 34971, Bom Jesus da Mata, 25 Jul 83, col. DCO, MSB and JMR.
1 male, 2 females, 1 imm. male, MPEG 36955-58, Fazenda Santa Bárbara, 2/3/1/1 Nov 1984, col. DCO, MSB and RSP.
3 males, 2 females, 1 imm. male, MPEG 37389-94, Buriticupu, 31/31 Aug/1/1/2/1 Sep 1985, col. DCO, MSB and RSP.
1 male, MPEG 38527, Fazenda Cobrás, 23 Aug 1986, col. MSB, JMR and RSP.
2 males, 2 females, MPEG 38645-48, Aldeia Urutawi-Rendá, 30/30/28/30 Sep 1986.

WING-BANDED ANTBIRD *Myrmornis torquata* (Boddaert)

1 male, 1 female, MPEG 34978-79, Bom Jesus da Mata, 27 Jul 1983, col. DCO, MSB and JMR.
1 female, MPEG 36923, Fazenda Santa Bárbara, 12 Sep 1984, col. MSB and RSP.

SPOTTED ANTPITTA *Hylopezus macularius paraensis* (Snethlage)

1 male, MPEG 36922, Fazenda Santa Barbará, 2 Nov 1984, col. DCO, MSB and RSP.
1 unsexed, MPEG-A 6921, Aldeia Urutawi-Rendá, 30 Sep 1986, col. DCO, MSB and RSP.

SPANGLED COTINGA *Cotinga cayana* (Linnaeus)

1 male, 1 imm. male, MPEG 38412-13, Fazenda Cobrás, 28/25 Aug 1986, col. MSB, JMR and RSP.

PURPLE-BREASTED COTINGA *Cotinga cayana* (Linnaeus)

1 male, MPEG 38411, Fazenda Cobrás, 26 Aug 1986, col. MSB, JMR and RSP.

PURPLE-THROATED FRUITCROW *Querula purpurata* (P.L.S. Müller)

2 males, MPEG 15743-44, Estreito, 17 May 1959, col. JH.
1 male, MPEG 34930, Bom Jesus da Mata, 24 Jul 1983, col. DCO, MSB and JMR.

OPAL-CROWNED MANAKIN *Pipra iris iris* Schinz

1 female, MPEG 38665, Aldeia Urutawi-Rendá, 2 Oct 1986, col. DCO, MSB and RSP.

BAND-TAILED MANAKIN *Pipra fasciicauda scarlatina* Hellmayr

1 male, MPEG 18001, Imperatriz, 22 Jul 1960, col. E. Dente.
2 males, 4 females, 1 imm. male, MPEG 37896-902, Serra da Conceição, 9/15/22/22/17/17/15 Apr 1986, col. MSB, JMR and RSP.

DWARF TYRANT-MANAKIN *Tyranneutes stolzmanni* (Hellmayr)

1 male, 2 unsexed, MPEG 38667 and MPEG-A 6939-40, Aldeia Urutawi-Rendá, 6/4/5 Oct 1986, col. DCO, MSB and RSP.

CINEREOUS MOURNER *Laniocera hypopyrrha* (Vieillot)

1 female, MPEG 38671, Aldeia Urutawi-Rendá, 7 Oct 1986, col. DCO, MSB and RSP.

EULER'S FLYCATCHER *Lathrotriccus (Empidonax) euleri bolivianus* (Allen)

1 female, MPEG 34920, Bom Jesus da Mata, 27 Jul 1983, col. DCO, MSB and JMR.
1 unsexed, MPEG 37727, Fazenda do Sr. Adoan, 25 Jan 1986, col. MSB, JAQ and RSP.

WHITE-CRESTED SPADEBILL *Platyrinchus platyrhynchos amazonicus* Berlepsch

2 males, 1 female, MPEG 34915-17, Bom Jesus da Mata, 22/26/23 Jul 1983, col. DCO, MSB and JMR.
3 males, MPEG 36976-78, Fazenda Santa Bárbara, 3/5/14 Nov 1984, col. DCO, MSB and RSP.
1 male, MPEG 38.551, Fazenda Cobrás, 28 Aug 1986, col. MSB, JMR and RSP.
1 female, MPEG 38679, Aldeia Urutawi-Rendá, 28 Sep 1986, col. DCO, MSB and RSP.

BLACK-CHESTED TYRANT *Poecilotriccus andrei* (Berlepsch & Hartert)

1 female, MPEG 34823, Pedra Chata, 22 May 1983, col. DCO, MSB and JAQ.

Direct comparisons made between Venezuelan specimens housed at the American Museum of Natural History and a series from south of the Amazon indicate that the species is monotypic.

YELLOW TYRANNULET *Phylloscartes flaveolus flaveolus* (Lichtenstein)

1 female, MPEG 15663, Imperatriz, 6 Jun 1959, col. JH.
1 male, MPEG 37616; Fazenda Leão, 8 Dec 1985, col. MSB, RSP and JMR.
3 males, MPEG 37887-89, Serra da Conceição, 10/9/9 Apr 1986, col. MSB, JMR and RSP.

LARGE ELAENIA *Elaenia spectabilis spectabilis* Pelzeln

2 males, 1 female, MPEG 15634-35/38, Imperatriz, 9/8/9 Jun 1959, col. JH.

GREENISH ELAENIA *Myiopagis viridicata viridicata* (Vieillot)

1 male, MPEG 34908, Bom Jesus da Mata, 28 Jul 1983, col. DCO, MSB and JMR.
1 male, MPEG 37612, Fazenda Leão, 9 Dec 1985, col. MSB, RSP and JMR.

McCONNELL'S FLYCATCHER *Mionectes macconnelli amazonus* (Todd)

1 female, MPEG 34909, Bom Jesus da Mata, 26 Jul 1983, col. DCO, MSB and JMR.
1 female, MPEG 36973, Fazenda Santa Bárbara, 30 Oct 1984, col. DCO, MSB and RSP.
1 male, 2 females, MPEG 38685-87, Aldeia Urutawi-Rendá, 7/7 Oct/29 Sep 1986, col. DCO, MSB and RSP.

BLACK-COLLARED SWALLOW *Atticora melanoleuca* (Wied)

1 male, MPEG 15571, Estreito, 17 May 1959, col. JH.

NIGHTINGALE WREN *Microcerculus marginatus marginatus* (Sclater)

1 male, MPEG 36987, Fazenda Santa Bárbara, 4 Nov 1984, col. DCO, MSB and RSP.
1 male, MPEG 38555, Fazenda Cobrás, 26 Aug 1986, col. MSB, JMR and RSP.
1 male, MPEG 38689, Aldeia Urutawi-Rendá, 7 Oct 1986, col. DCO, MSB and RSP.

MASKED GNATCATCHER *Polioptila dumicola berlepschi* Hellmayr

1 male, MPEG 15856, Imperatriz, 4 Jun 1959, col. JH.

TAWNY-CROWNED GREENLET *Hylophilus ochraceiceps rubrifrons* Sclater & Salvin

1 female, MPEG 34990, Bom Jesus da Mata, 25 Jul 1983, col. DCO, MSB and JMR.
2 males, 1 female, MPEG 36984-86, Fazenda Santa Bárbara, 6/3/3 Nov 1984, col. DCO, MSB and RSP.

FULVOUS-CRESTED TANAGER *Tachyphonus surinamus insignis* Hellmayr

2 males, 4 females, MPEG 38692-97, Aldeia Urutawi-Rendá, 5/3/3/4/5 Oct/28 Sep 1986, col. DCO, MSB and RSP.

WHITE-SHOULDERED TANAGER *Tachyphonus luctuosus luctuosus* d'Orbigny & Lafresnaye

3 males, MPEG 38552-54, Fazenda Cobrás, 29/29/27 Aug 1986, col. MSB, JMR and RSP.

BLACK-AND-RED GROSBEAK *Periporphyrus erythromelas* (Gmelin)

1 male, MPEG 34995, Bom Jesus da Mata, 24 Jul 1983, col. DCO, MSB and JMR.
1 male, 1 female, MPEG 38702-03, Aldeia Urutawi-Rendá, 4 Oct/28 Sep 1986, col. DCO, MSB and RSP.

SOOTY GRASSQUIT *Tiaris fuliginosa fuliginosa* (Wied)

2 males, 2 females, MPEG 30476-79, Fazenda Cachimbo, Coroatá, 18/22/7/11 Sep 1972, col. ED.
1 male, 1 female, MPEG 34841-42, Pedra Chata, 24 May 1983, col. DCO, MSB and JAQ.
1 male, MPEG 37964, Serra da Concelção, 17 Apr 1986, MSB, JMR and RSP.
1 female, MPEG 38699, Aldeia Urutawi-Rendá, 2 Oct 1986, col. DCO, MSB and RSP.

RED-CRESTED FINCH *Coryphospingus cucullatus cucullatus* (Mueller)

1 male, MPEG 37446, Buriticupu, 3 Sep 1985, col. DCO, MSB and RSP.

OBSERVATION RECORDS

CINEREOUS TINAMOU *Crypturellus cinereus*

Apparently wide-spread, the Cinereous Tinamou was recorded at Pedra Chata, Fazenda Santa Bárbara, Buriticupu and Aldeia Urutawi-Rendá.

GREATER YELLOW-HEADED VULTURE *Cathartes melambrotos*

This species was regularly seen soaring in forest habitat at Bom Jesus da Mata, Pedra Chata, Fazenda Santa Bárbara, Buriticupu and Aldeia Urutawi-Rendá.

SLATE-COLORED HAWK *Leucopternis schistacea*

Common at Aldeia Urutawi-Rendá, where, as most raptors, considered sacred to Urubu-Ka'apor Indians.

GUIANAN CRESTED EAGLE *Morphnus guianensis*

One seen perched in tall emergent at Fazenda Santa Bárbara on 2 Nov 1984.

WHITE-CRESTED GUAN *Penelope pileata*

Recorded at Aldeia Urutawi-Rendá, where well-known to Urubu-Ka'apor Indians, who maintained that species more restricted to high forest than sympatric *P. superciliaris*. Cited for Maranhão by H. Snethlage (1927-28), record long considered misidentification. Novaes (1978) reported four specimens from upper Rio Guamá in easternmost Pará, and Smithsonian team recently collected specimens on right bank of Rio Xingu (R. Zusi and G. Graves). Apparently much more widely distributed than previously recognized (cf. Delacour and Amadon, 1973).

RED-THROATED PIPING-GUAN *Pipile pipile cujubi*

This species is commonly hunted by the Urubu-Ka'apor Indians of the Rio Gurupi, and considered one of the most prized game species. In addition to one sight record along a stream near Aldeia Urutawi-Rendá, I have seen photographs taken by anthropologist William Balée of recently killed individuals of this species hunted by Indians in other villages of the Alto Turiaçu Reserve in northwestern Maranhão.

RED-SHOULDERED PARROTLET *Touit huetii*

A group of five flew to canopy tree at Pedra Chata on 24 May 1983. Once perched, they remained silent and kept to thick (5-10 cm dia) branches during the 20 min observed. Though brightly colored, their habits make species very inconspicuous.

WHITE-BELLIED PARROT *Pionites leucogaster*

Common at Pedra Chata, Bom Jesus da Mata, Fazenda Santa Bárbara, Fazenda Cobrás and Aldeia Urutawi-Rendá.

VULTURINE PARROT *Pionopsitta vulturina*

Uncommon at Aldeia Urutawi-Rendá, this species also recorded at several sites near Rio Gurupi by P. Roth (pers. comm.).

SHORT-TAILED SWIFT *Chaetura brachyura*

Common at Pedra Chata, Bom Jesus da Mata, Buriticupu, Fazenda Santa Bárbara, Fazenda Cobrás and Aldeia Urutawi-Rendá, always in the company of Band-rumped Swifts, *C. spinicauda*.

PARADISE JACAMAR *Galbula dea*

Common at Fazenda Santa Bárbara, uncommon at Aldeia Urutawi-Rendá.

GREAT JACAMAR *Jacamerops aurea*

Uncommon at Fazenda Santa Bárbara and Aldeia Urutawi-Rendá.

SPOTTED PUFFBIRD *Bucco tamatia*

Uncommon at Aldeia Urutawi-Rendá.

WHITE-BROWED PURPLETUFT *Iodopleura isabellae*

A restless flock of 8-9 was seen repeatedly on successive afternoons sallying for insects high in trees at forest edge in Buriticupu in August 1985.

GUIANAN RED-COTINGA *Phoenicircus carnifex*

A magnificent adult male of this species fed on the fruits of assai palm (*Euterpe oleracea*) at Pedra Chata on 20 May 1983. Feathers much used by Urubu-Ka'apor Indians in their highly developed feather art (Ribeiro and Ribeiro, 1957).

THREE-STRIPED FLYCATCHER *Conopias trivirgata*

A single individual sang while perched on a utility wire along the Santa Inês-Pindaré road (3°38'S, 45°21'W) on 27 Mar 1985.

RED-RUMPED CACIQUE *Cacicus haemorrhous*

Common at Aldeia Urutawi-Rendá, where easily observed in forest and edge.

YELLOW-BROWED SPARROW *Ammodramus aurifrons*

Common in fields at Fazenda Santa Bárbara in Nov 1984 and at Aldeia Urutawi-Rendá in Oct 1986.

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